



**CALIFORNIA STATE SCIENCE FAIR  
2016 PROJECT SUMMARY**

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<b>Project Title</b> The Effects of Salt, Sugar, and Sand on Ice	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> The objective of this project was to test the effects of salt, sugar, and sand, on ice. The purpose of this, was to try to find a substitute to salt to melt ice effectively, while leaving out the negative side effects that salt causes on our environment.</p> <p><b>Methods/Materials</b> Materials used to conduct this experiment, include ice cube trays, bowls, a freezer and refrigerator, graduated cylinder, stopwatch, measuring spoon, table salt, sugar, and sand.</p> <p><b>Results</b> Out of the three substances tested, salt melted ice the fastest, followed by sugar, then sand, and lastly control.</p> <p><b>Conclusions/Discussion</b> Salt melted ice the fastest. This means that out of salt, sugar, and sand, there isn't a more or equally as effective substance than salt, that can melt ice without the negative side effects that salt has on our environment.</p>	
<b>Summary Statement</b> I conducted an experiment that tested salt, sugar, and sand, to find which substance was the most effective to melt ice, and out of these three substances, salt was the most effective.	
<b>Help Received</b> My parents did not help me conduct my experiment, but they did help to clarify some of the concepts related to my project.	